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International application No. PCT/JP03/07893

A. CLASSI Int.C	FICATION OF SUBJECT MATTER 1 G06F1/16, H05K5/02, H05K7/18	3		
	International Patent Classification (IPC) or to both natio	nal classification and IPC		
B. FIELDS	SEARCHED SEARCHED	classification symbols)		
Int.C	cumentation searched (classification system followed by C1 G06F1/16, H05K5/02, H05K7/10	o	in the fields searched	
Jitsu Kokai	Jitsuyo Shinan Koho 1971-2003	Jitsuyo Shinan Toroku Koho	1996–2003	
Electronic da	ata base consulted during the international search (name of	of data base and, where practicable, sear	ch terms used)	
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C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appr	opriate, of the relevant passages	Relevant to claim No.	
Y . A	JP 3066062 U (Tomi KANKAWA), 18 February, 2000 (18.02.00), Full text; Figs. 1 to 9 (Family: none)		1,11,12 2-10	
Y A	<pre>JP 3076911 U (Seiseikagi Kofu 27 April, 2001 (27.04.01), Full text; Figs. 1 to 5 (Family: none)</pre>	n Yugenkoshi),	1,11,12 2-10	
A	JP 10-303579 A (Hitachi, Ltd. 13 November, 1998 (13.11.98), Full text; Figs. 1 to 14 (Family: none)),	2-10	
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Furth	Ler documents are listed in the continuation of Box C.	See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family		
Date of the 09	sectual completion of the international search September, 2003 (09.09.03)	Date of mailing of the international se 24 September, 2003	3 (24.09.03)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile No.		Telephone No.		



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	tion). DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category*		1-12
A	JP 3086292 U (Kyofuku Kogyo Yugenkoshi), 14 June, 2002 (14.06.02), Full text; Figs. 1 to 4 (Family: none)	
A	JP 3068582 U (Kabushiki Kaisha Sotekku), 12 May, 2000 (12.05.00), Full text; Figs. 1 to 4 (Family: none)	1-12
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